ROG STRIX X670E-E GAMING WIFI

CPU

AMD Socket AM5 for AMD Ryzen™ 7000 Series Desktop Processors*
* Refer to www.asus.com for CPU support
list.

Chipset

AMD X670

Memory

4 x DIMM, Max. 128GB, DDR5
6400+(OC)/ 6200(OC)/ 6000(OC)/ 5800(OC)/
5600(OC)/ 5400(OC)/ 5200/ 5000/ 4800 ECC and Non-ECC, Un-buffered Memory*
Dual Channel Memory Architecture
Supports AMD EXTended Profiles for Overclocking (EXPO™)
OptiMem II
* Supported memory types, data rate(Speed),
and number of DRAM module vary depending on the CPU and memory configuration, for more information refer to www.asus.com for memory support list.
* Non-ECC, Un-buffered DDR5 Memory supports
On-Die ECC function

Graphics

1 x DisplayPort**
1 x HDMI® port***
**Supports max. 8K@60Hz as specified in DisplayPort 1.4.
***Supports 4K@60Hz as specified in HDMI 2.1.

Expansion Slots

AMD Ryzen™ 7000 Series Desktop Processors
2 x PCIe 5.0 x16 slots (supports x16 or x8/x4 modes)
AMD X670 Chipset
1 x PCIe 4.0 x16 slot (supports x4 mode)

Storage

Total supports 4 x M.2 slots and 4 x SATA 6Gb/s ports*

AMD Ryzen™ 7000 Series Desktop Processors
M.2_1 slot (Key M), type 2242/2260/2280 (supports PCIe 5.0 x4 mode)
M.2_2 slot (Key M), type 2242/2260/2280 (supports PCIe 5.0 x4 mode)
M.2_3 slot (Key M), type 2242/2260/2280/22110 (supports PCIe 5.0 x4 mode))

AMD X670 Chipset
M.2_4 slot (Key M), type 2242/2260/2280 (supports PCIe 4.0 x4 mode)
4 x SATA 6Gb/s ports

*AMD RAIDXpert2 Technology supports both NVMe RAID 0/1/10 and SATA RAID 0/1/10.

Ethernet

1 x Intel® 2.5Gb Ethernet
ASUS LANGuard

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1 x Intel® 2.5Gb Ethernet
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Wireless & Bluetooth

Wi-Fi 6E
2x2 Wi-Fi 6E (802.11 a/b/g/n/ac/ax)
Supports 2.4/5/6GHz frequency band*
Bluetooth v5.2
* WiFi 6E 6GHz regulatory may vary between
countries, and function will be ready in Windows 11 or later.
 **The Bluetooth version may vary, please refer to the Wi-Fi module manufacturer's website for the latest specifications

USB

Rear USB (Total 13 ports)
1 x USB 3.2 Gen 2x2 port (1 x USB Type-C®)
12 x USB 3.2 Gen 2 ports (10 x Type-A + 2 x
USB Type-C®)

Front USB (Total 9 ports)
1 x USB 3.2 Gen 2x2 connector
1 x USB 3.2 Gen 1 header supports additional 2 USB 3.2 Gen 1 ports
3 x USB 2.0 headers support additional 6 USB 2.0 ports

Audio

ROG SupremeFX 7.1 Surround Sound High
Definition Audio CODEC ALC4080
- Impedance sense for front and rear
headphone outputs
- Supports: Jack-detection, Multi-streaming, Front Panel Jack-retasking
- High quality 120 dB SNR stereo playback
output and 113 dB SNR recording input
- Supports up to 32-Bit/384 kHz playback

Audio Features
- Audio Shielding
- Savitech SV3H712 AMP
- Gold-plated audio jacks
- Rear optical S/PDIF out port
- Premium audio capacitors
- Audio cover
* A chassis with an HD audio module in the
front panel is required to support 7.1 Surround Sound audio output.
*The rear panel Line out port does not support spatial audio. If you wish to use spatial audio make sure to connect your audio output device to the audio jack on the front panel of your chassis.

Back Panel I/O Ports

1 x USB 3.2 Gen 2x2 port (1 x Type-C®)
12 x USB 3.2 Gen 2 ports (10 x Type-A, 2 x USB
Type-C®)
1 x DisplayPort
1 x HDMI® port
1 x Wi-Fi Module
1 x Intel® 2.5Gb Ethernet port
5 x Gold-plated audio jacks*
1 x Optical S/PDIF out port
1 x BIOS FlashBack™ button
1 x Clear CMOS button
*The rear panel Lime (Line out) port does not support spatial audio. If you wish to use spatial audio make sure to connect your audio output device to the audio jack on the front panel of your chassis.

Internal I/O Connectors

Fan and Cooling related

1 x 4-pin CPU Fan header

1 x 4-pin CPU OPT Fan header

1 x 4-pin AIO Pump header

5 x 4-pin Chassis Fan header

Power related

1 x 24-pin Main Power connector

2 x 8-pin +12V Power connector

Storage related

4 x M.2 slots (Key M)

4 x SATA 6Gb/s ports

USB

1 x USB 3.2 Gen 2x2 connector (supports USB Type-C®)

1 x USB 3.2 Gen 1 header supports additional 2 USB 3.2 Gen 1 ports

3 x USB 2.0 headers support additional 6 USB 2.0 ports

Miscellaneous

3 x Addressable Gen 2 headers

1 x AURA RGB header

1 x Alteration Mode Switch

1 x CPU Over Voltage jumper

1 x Front Panel Audio header (AAFP)

1 x Start button

1 x 20-3 pin System Panel header with Chassis intrude function

1 x Thermal Sensor header

1 x Thunderbolt™ header

Special Features

Extreme Engine Digi+

- 5K Black Metallic Capacitors

ASUS Q-Design

- M.2 Q-Latch

- PCIe Slot Q-Release

- Q-Code

- Q-DIMM

- Q-LED (CPU [red], DRAM [yellow], VGA [white], Boot Device [yellow green])

- Q-Slot

ASUS Thermal Solution

- M.2 heatsink backplate

- M.2 heatsink

- VRM heatsink design

- Massive M.2 Heatsink

ASUS EZ DIY

- BIOS FlashBack™ button

- BIOS FlashBack™ LED

- Clear CMOS button

- ProCool II

- Pre-mounted I/O shield

- SafeSlot

- SafeDIMM

AURA Sync

- AURA RGB header

- Addressable Gen 2 headers

Software Features

ROG Exclusive Software
- GameFirst VI
- ROG CPU-Z
- Sonic Studio III + Sonic Studio Virtual Mixer + Sonic Suite Companion
- Sonic Radar III
- DTS® Sound Unbound
- Anti-virus software

ASUS Exclusive Software
Armoury Crate
- AIDA64 Extreme (60 days free trial)
- AURA Creator
- AURA Sync
- Fan Xpert 4 (with AI Cooling II)
- Power Saving
- Two-Way AI Noise Cancellation
AI Suite 3
 - TPU
- DIGI+ VRM
- Turbo app
- PC Cleaner
MyAsus
WinRAR

UEFI BIOS
ASUS EZ DIY
- ASUS CrashFree BIOS 3
- ASUS EZ Flash 3
- ASUS UEFI BIOS EZ Mode
Dynamic OC Switcher
FlexKey

BIOS

256 MbFlash ROM, UEFI AMI BIOS

Manageability

WOL by PME, PXE

Accessories

Cables
2x SATA 6Gb/s cables
Additional Cooling Kit
1 x Thermal pad for M.2
Miscellaneous
1 x ASUS Wi-Fi moving antennas
1 x Cable ties pack
1 x Massive M.2 Heatsink
1 x M.2 Q-Latch package for M.2 backplate
1 x M.2 Q-Latch package
1 x ROG Graphics card holder
2 x Rubber Packages for M.2
1 x Rubber Package for M.2 backplate
1 x ROG key chain
1 x ROG Strix sticker
1 x ROG Strix thank you card
Documentation
1 x User guide

Operating System	Windows[z] 11 64-bit, Windows 10 64-bit

Form Factor	ATX Form Factor 12 inch x 9.6 inch (30.5 cm x 24.4 cm)